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## Bryce B. Reeve, Ph.D.

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Department of Health Policy and Management,  
Gillings School of Global Public Health  
University of North Carolina at Chapel Hill  
1101-D McGavran-Greenberg Hall  
135 Dauer Drive, CB 7411  
Chapel Hill, NC 27599-7411  
*Phone:* 919-962-5434 *Fax:* 919-843-6362  
*e-mail:* bbreeve@email.unc.edu

### Personal

#### *Research Interests*

Patient-reported outcomes, health-related quality of life research, cancer outcomes research, psychometrics and questionnaire design

### Education

- 2000**    **Ph.D.**    **University of North Carolina at Chapel Hill, Chapel Hill, NC.** Quantitative Psychology. Dissertation title: *Item- and scale-level analysis of clinical and non-clinical sample responses to the MMPI-2 depression scales employing item response theory.*
- 1999**    **M.A.**    **University of North Carolina at Chapel Hill, Chapel Hill, NC.** Quantitative Psychology. Thesis title: *Analysis of neuropsychological decline by HIV disease stage and associated dementia.*
- 1994**    **B.S.**    **University of North Carolina at Chapel Hill, Chapel Hill, NC.** Psychology. *Dean's List Graduated with Distinction.*

### Professional Experience

- 2015 – present**    Professor (with Tenure), Department of Health Policy and Management, Gillings School of Public Health, University of North Carolina at Chapel Hill, Chapel Hill, NC.
- 2014 – present**    Research Fellow, Cecil G. Sheps Center for Health Services Research, University of North Carolina at Chapel Hill, Chapel Hill, NC.
- 2011 – present**    Adjunct Associate Professor, College of Arts and Sciences, Department of Psychology, University of North Carolina at Chapel Hill, Chapel Hill, NC.
- 2010 – 2015**    Associate Professor (with Tenure since 2014), Department of Health Policy and Management, Gillings School of Public Health, University of North Carolina at Chapel Hill, Chapel Hill, NC.
- 2010 – present**    Member, Lineberger Comprehensive Cancer Center, University of North Carolina at Chapel Hill, Chapel Hill, NC.
- 2000 – 2010**    Psychometrician and Program Director, Outcomes Research Branch, Applied Research Program, Division of Cancer Control and Population Sciences (DCCPS). National Cancer Institute, Bethesda, MD.
- 1998 – 2000**    Research and Software Consultant, North Carolina Department of Public Instruction, Chapel Hill, NC.
- 1996 – 1998**    Statistical Research Consultant, Air Control Techniques, P.C., Cary, NC.
- 1994 – 1995**    Statistical Research Assistant, Duke University, Durham, NC.

## Honors

- 2015 **John Ware and Alvin Tarlov Career Achievement Prize in Patient-Reported Outcomes Measures.** Health Assessment Lab/Medical Outcomes Trust, Hanover, NH.
- 2012 **National Institutes of Health (NIH) Award of Merit.** For innovative leadership in developing an extramural research resource for population surveillance of the health-related quality of life among survivors in Medicare managed care. National Institutes of Health, Bethesda, MD.
- 2011 **National Cancer Institute (NCI) Director's Service Award.** For service to the Institute as co-chair of the Symptom Management and Health-related Quality of Life steering committee clinical trials planning meeting for *Building Bridges: the identification of core symptoms and health-related quality of life domains for use in cancer research*. National Cancer Institute, Bethesda, MD.
- 2010 **National Institutes of Health (NIH).** For recognition of ten years of service in the Government of the United States of America. National Institutes of Health, Bethesda, MD.
- 2010 **National Institutes of Health (NIH) Award of Merit.** For HEAL study of breast cancer prognosis. For vision in advancing research on the prospective association of diet, physical activity, and weight on biological mechanisms and outcomes in women with breast cancer. National Institutes of Health, Bethesda, MD.
- 2009 **National Institutes of Health (NIH) Award of Merit.** In recognition for the insight and leadership in creating a novel, patient-focused adverse event reporting tool. National Institutes of Health, Bethesda, MD.
- 2008 **National Institutes of Health (NIH) Award of Merit.** For outstanding leadership in the development of novel methods for the evaluation of data collection instruments used across populations with multiple languages and cultures. National Institutes of Health, Bethesda, MD.
- 2008 **National Institutes of Health (NIH) Director's Award.** For outstanding collaborative work in the scientific management of the NIH PROMIS initiative. National Institutes of Health, Bethesda, MD.
- 2005 **National Institutes of Health (NIH) Award of Merit.** For advancing the science and effectively representing the National Cancer Institute on the NIH's roadmap initiative to build the Patient-Reported Outcomes Measurement Information System. National Institutes of Health, Bethesda, MD.
- 2004 **National Institutes of Health (NIH) Award of Merit.** For advancing the science in cancer outcomes measurement and research and applications to improve the quality of cancer care. National Institutes of Health, Bethesda, MD.
- 1997 **Graduate Teaching Fellow Technology Award.** University of North Carolina at Chapel Hill.
- 1994 **Phi Beta Kappa National Honor Society.** University of North Carolina at Chapel Hill.
- 1993 **Golden Key National Honor Society.** University of North Carolina at Chapel Hill.
- 1992 **Chi Beta Phi.** University of North Carolina at Chapel Hill.

## Publications

### Books and Book Chapters

1. Hays RD, **Reeve BB**. Measurement and Modeling of Health-Related Quality of Life. In: Quah, S.R. and Cockerham, W.C. (eds.) *The International Encyclopedia of Public Health, 2nd edition*. Oxford: Academic Press 2017; vol. 4: 570–578.
2. **Reeve BB**. Item response theory. In Michalos AC (ed.). *Encyclopedia of Quality of Life and Well-Being Research*. Dordrecht, Netherlands: Springer, 2014 3415-3423. ISBN 978-94-007-0752-8.
3. **Reeve BB**. Applying item response theory (IRT) for questionnaire evaluation. In: Madans J, Miller K, Maitland A, Willis G, eds. *Question Evaluation Methods: Contributing to the Science of Data Quality*. Hoboken, NJ: John Wiley & Sons, Inc.; 2011:105-23.
4. Mitchell SA, **Reeve BB**. Health-related quality of life (HRQOL) in chronic GVHD. In: Vogelsang GB, Pavletic SZ, eds. *Chronic Graft Versus Host Disease: Principles and Practice of Interdisciplinary Management*. New York, NY: Cambridge University Press; 2009:335-50.
5. Cohen RJ, **Reeve BB**. Reliability. In: Cohen RJ, Swerdlik ME, eds. *Psychological Testing and Assessment*. 7th ed: New York, NY: McGraw-Hill; 2009:139-71.
6. Hays RD, **Reeve BB**. Measurement and modeling of health-related quality of life. In: Quah S, Heggenhougen K, eds. *International Encyclopedia of Public Health*. 1<sup>st</sup> ed: Amsterdam, The Netherlands: Elsevier Inc.; 2008:241-252.
7. **Reeve BB**. Item response theory. In: Best S, Radcliff B, eds. *Polling America: An Encyclopedia of Public Opinion*. Westport, CT: Greenwood Publishing Group; 2005:400-10.
8. **Reeve BB**, Fayers P. Applying item response theory modeling for evaluating questionnaire item and scale properties. In: Fayers P, Hays RD, eds. *Assessing Quality of Life in Clinical Trials: Methods of Practice*. 2nd ed: New York, NY: Oxford University Press; 2005:53-73.
9. Willis G, **Reeve BB**, Barofsky I. The use of cognitive interviewing techniques in quality of life and patient-reported outcomes assessment. In: Lipscomb J, Gotay C, Snyder C, eds. *Outcomes Assessment in Cancer*. Cambridge, UK: Cambridge University Press; 2005:610-22.
10. **Reeve BB**, Mâsse LC. Item response theory modeling for questionnaire evaluation. In: Presser S, Rothgeb JM, Couper MP, et al., eds. *Methods for Testing and Evaluating Survey Questionnaires*. Hoboken, NJ: John Wiley & Sons, Inc.; 2004:247-74.
11. Perfetto EM, **Reeve B**, Subedi P, Carlson AM, Stockwell-Morris L. Measuring health status. In: Grauer DW, Lee J, Odom TD, eds. *Pharmacoeconomics and Outcomes: Applications for Patient Care, Case Studies*. Kansas City: American College of Clinical Pharmacy; 2003:292-315.
12. Wainer H, Vevea JL, Camacho F, **Reeve BB**, Rosa K, Nelson L, Swygert K, Thissen D. Augmented scores - "Borrowing strength" to compute scores based on small numbers of items. In: Thissen D, Wainer H, eds. *Test Scoring*. Mahwah, NJ: Lawrence Erlbaum Associates, Inc.; 2001: 342-84.

### Refereed Articles (student/mentee\*)

#### 2017

1. Pergolotti M\*, Deal AM, Williams GR, Bryant AL, Bensen JT, Muss HB, **Reeve BB**. Activities, function, and health-related quality of life (HRQOL) of older adults with cancer. *Journal of Geriatric Oncology* 2017 (in press).
2. Jensen RE, Potosky AL, Moinpour CM, Lobo T, Cella D, Hahn EA, Thissen D, Smith AW, Ahn J, Luta G, **Reeve BB**. U.S. population-based estimates of PROMIS symptom and functional status reference values for individuals with cancer. *Journal of Clinical Oncology* 2017 (in press).
3. Pinheiro LC\*, Tan X, Olshan AF, Wheeler SB, Samuel CA, Reeder-Hayes KE, **Reeve BB**. Examining health-related quality of life patterns in women with breast cancer. *Quality of Life Research* 2017 (Epub ahead of print).
4. Chen RC, Basak R, Meyer AM, Kuo TM, Carpenter WR, Agans RP, Broughman JR, **Reeve BB**, Nielsen ME, Usinger DS, Spearman KC, Walden S, Kaleel D, Anderson M, Sturmer T, Godley PA. Association between choice of radical prostatectomy, external beam radiotherapy, brachytherapy, or

active surveillance and patient-reported quality of life among men with localized prostate cancer. *JAMA*, accepted.

5. **Reeve BB**, Thissen DM, Bann CM, Mack N, Treiman K, Sanoff HK, Roach N, Magnus BE, He J, Wagner LK, Moultrie R, Jackson KD, Mann C, McCormack LA. Psychometric evaluation and design of patient-centered communication measures for cancer care settings. *Patient Education and Counseling* (Accepted February 9, 2017).
6. Pinheiro LC\*, Zagar TM, **Reeve BB**. The prognostic value of health-related quality of life on survival: a prospective cohort study of older Americans with lung cancer. *Quality of Life Research* (Accepted 01/26/2017).
7. Kohler RE\*, **Reeve BB**, Gopal S, Lee C, Weiner BJ, Wheeler SB. Breast cancer knowledge, beliefs, and preferences in Malawi: Early detection implications from a discrete choice experiment. *Journal of Global Oncology*. 2017 (in press).
8. Pinheiro LC\*, Wheeler SB, Reeder-Hayes KE, Samuel CA, Olshan AF, **Reeve BB**. Investigating associations between health-related quality of life and endocrine therapy under-utilization in women with early stage breast cancer. *Journal of Oncology Practice* (Accepted 01/24/2017).
9. Kohler RE\*, Gopal S, Lee CN, Weiner BJ, **Reeve BB**, Wheeler SB. Breast cancer knowledge, behaviors, and preferences in Malawi: Implications for early detection interventions from a discrete choice experiment. *Journal of Global Oncology* (in press).
10. Ye F, Moon DH, Carpenter WR, **Reeve BB**, Usinger DS, Green RL, Spearman K, Sheets NC, Pearlstein KA, Lucero AR, Waddle MR, Godley PA, Chen RC. Comparison of patient report and medical records of comorbidities: results from a population-based cohort of patients with prostate cancer. *JAMA Oncology*. 2017 (online). E1-E8.
11. Moinpour CM, Donaldson GW, Davis KM, Potosky AL, Jensen RE, Gralow JR, Back aL, Hwang JJ, Yoon J, Bernard DL, Loeffler DR, Rothrock NE, Hays RD, **Reeve BB**, Smith AW, Hahn EA, Cella D. The challenge of measuring intra-individual change in fatigue during cancer treatment. *Quality of Life Research* 2017;26:259-271.

## 2016

12. **Reeve BB**, McFatrach M, Pinheiro LC\*, Freyer DR, Basch EM, Baker JN, Withycombe JS, Sung L, Mack JW, Waldron MK, Mowbray C, Palma D, Hinds PS. Cognitive interview-based validation of the Patient-Reported Outcomes version of the Common Terminology Criteria for Adverse Events (PRO-CTCAE) in adolescents with cancer. *Journal of Pain and Symptom Management* (in press).
13. Doll KM, Pinheiro LC\*, **Reeve BB**. Pre-diagnosis health-related quality of life, surgery, and survival in women with advanced epithelial ovarian cancer: A SEER-MHOS study. *Gynecologic Oncology* 2016 Online first: 1-6.
14. VanderWalde NA, Deal AM, Comitz E, Stravers L, Muss H, **Reeve BB**, Basch E, Tepper J, Chera B. Geriatric assessment as a predictor of tolerance, quality of life, and outcomes in older patients with head and neck cancers and lung cancers receiving radiotherapy. *International Journal of Radiation Oncology, Biology, Physics* (in press). 1-7.
15. Pergolotti M\*, Lavery JA, **Reeve BB**, Dustezina SB. The cost of outpatient occupational therapy and the therapy cap issue: Variation by provider, insurance status and geographic region. *American Journal of Occupational Therapy*. (in press). 1-7.
16. Pinheiro LC\*, Samuel CA, Reeder-Hayes KE, Wheeler SB, Olshan AF, **Reeve BB**. Understanding racial differences in health-related quality of life in a population-based cohort of breast cancer survivors. *Breast Cancer Research and Treatment* (online first: September 1, 2016) 1-9.
17. **Reeve BB**, McFatrach M, Pinheiro LC, Weaver MS, Sung L, Withycombe JS, Baker JN, Mack JW, Waldron MK, Gibson D, Tomlinson D, Freyer DR, Mowbray C, Jacobs S, Palma D, Martens CE, Gold SH, Jackson KD, Hinds PS. Eliciting the child's voice in adverse event reporting in oncology trials: cognitive interview findings from the Pediatric Patient-Reported Outcomes version of the Common Terminology Criteria for Adverse Events initiative. *Pediatric Blood and Cancer* 2016 (online ahead of print). 1-7. DOI: 10.1002/pbc.26261
18. Li Z, Leite W, Thompson L, Gross HE, Shenkman B, **Reeve BB**, DeWalt DA, Huang I-C. Determinants of longitudinal health-related quality of life change in children with asthma from low-income families: a report from the PROMIS® Pediatric Asthma Study. *Clinical & Experimental Allergy* (in press) 1.9.

19. Flynn KE, Lin L, Bruner DW, Cyranowski JM, Hahn EA, Jeffery DD, Reese JB, **Reeve BB**, Shelby RA, Weinfurt KP. Sexual satisfaction and the importance of sexual health to quality of life throughout the life course of US adults. *Journal of Sexual Medicine* (in press). 1-8.
20. Bell JA, DiBonaventura MdC, Witt EA, Ben-Joseph R, **Reeve BB**. Use of the SF-36v2 health survey as a screen for risk of major depressive disorder in a US population-based sample and subgroup with chronic pain. *Medical Care* (in press) 1-6.
21. Treiman K, McCormack L, Olmsted M, Roach N, **Reeve BB**, Martens CE, Moultrie R, Sanoff H. Engaging patient advocates and other stakeholders to design measures of patient-centered communication in cancer care. *The Patient: Patient-Centered Outcomes Research* (in press). 1-9.
22. Beyhaghi H\*, **Reeve BB**, Rodgers JE, Stearns SC. Psychometric properties of the four-item Morisky Green Levine Medication Adherence Scale among Atherosclerosis Risk in Communities (ARIC) study participants. *Value in Health* 2016 (in press). 1-7.
23. Gewandter JS, Burke L, Cavaletti G, Dworkin RH, Gibbons C, Gover TD, Herrmann DN, McArthur MB, McDermott MP, Rappaport BA, **Reeve BB**, Russell JW, Smith AG, Smith SM, Turk DC, Vinik AI, Freeman R. Content validity of symptom-based measures for diabetic, chemotherapy, and HIV peripheral neuropathy. *Muscle and Nerve* 2016 (in press). 1-13.
24. Quach CW\*, Langer MM, Chen RC, Thissen D, Usinger DS, Emerson MA\*, **Reeve BB**. Reliability and validity of PROMIS measures administered by telephone interview in a longitudinal localized prostate cancer study. *Quality of Life Research* 2016 (Epub ahead of print) 1-11. doi:10.1007/s11136-016-1325-3
25. **Reeve BB**, Pinheiro LC\*, Jensen RE, Teresi JA, Potosky AL, McFatrigh MK, Ramirez M, Chen W-H. Psychometric evaluation of the PROMIS® Fatigue measure in an ethnically and racially diverse population-based sample of cancer patients. *Psychological Test and Assessment Modeling* 2016;58(1):119-139.
26. **Reeve BB**, Teresi JA. Overview to the two-part series: measurement equivalence of the Patient-Reported Outcomes Measurement Information System® (PROMIS®) short forms. *Psychological Test and Assessment Modeling* 2016;58(1):31-35.
27. Doll KM, Barber EL, Bensen JT, Revilla M, Snaveley AC, Bennett AV, **Reeve BB**, Gehrig PA. The impact of surgical complications on health-related quality of life in women undergoing gynecologic and gynecologic oncology procedures: a prospective longitudinal cohort study. *American Journal of Obstetrics & Gynecology* 2016 (Epub ahead of print) 1-9.
28. **Reeve BB**, Cai J, Zhang H\*, Weissler MC, Wisniewski K, Gross H, Olshan AF. Factors that impact health-related quality of life over time for individuals with head and neck cancer. *The Laryngoscope* 2016 (in press) 1-10.
29. Gandhi PK, Schwartz CE, **Reeve BB**, DeWalt D, Gross H, Huang I-C. An item-level response shift study on the change of health state with the rating of asthma-specific quality of life: a report from the PROMIS® Pediatric Asthma Study. *Quality of Life Research* (in press) 1-9.
30. Falchook AD, Green R, Knowles ME, Amdur RJ, Mendenhall W, Hayes DN, Grilley-Olson JE, Weiss J, **Reeve BB**, Mitchell SA, Basch EM, Chera BS. Comparison of patient- and clinician-reported toxicities during and after chemoradiotherapy for head and neck cancer. *JAMA Otolaryngology- Head & Neck Surgery* 2016, in press. 1-9.
31. Cook KF, Jensen JE, Schalet BD, Beaumont JL, Amtmann D, Czajkowski S, Dewalt DA, Fries JF, Pilkonis PA, **Reeve BB**, Stone AA, Weinfurt K, Cella D. PROMIS® measures of pain, fatigue, negative affect, physical function and social function demonstrate clinical validity across a range of chronic conditions. *Journal of Clinical Epidemiology* 2016, in press. 1-14.
32. Dampier C, Barry V, Gross HE, Lui Y, Thornburg CD, DeWalt DA, **Reeve BB**. Initial evaluation of the pediatric PROMIS® health domains in children and adolescents with sickle cell disease. *Pediatr Blood Cancer* 2016 Feb 19. doi: 10.1002/pbc.25944. [Epub ahead of print] 1-7.
33. Dampier C, Jaeger B, Gross HE, Barry V, Edwards L, Lui Y, DeWalt DA, **Reeve BB**. Responsiveness of PROMIS® pediatric measures to hospitalizations for sickle pain and subsequent recovery. *Pediatr Blood Cancer* 2016 Feb 8. doi: 10.1002/pbc.25931. [Epub ahead of print] 1-8.
34. Bennett AV, Dueck AC, Mitchell SA, Mendoza TR, **Reeve BB**, Atkinson TM, Castro KM, Denicoff A, Rogak LJ, Harness JK, Bearden JD, Bryant D, Siegel RD, Schrag D, Basch E. Mode equivalence and acceptability of tablet computer-, interactive voice response system-, and paper-based administration

- of the U.S. National Cancer Institute's Patient-Reported Outcomes version of the Common Terminology Criteria for Adverse Events (PRO-CTCAE). *Health and Quality of Life Outcomes* (in press). 1-10.
35. Falchook A, Tracton G, Stravers L, Fleming M, Snaveley A, Noe J, Hayes D, Grilley-Olson J, Weiss J, **Reeve BB**, Basch E, Chera B. Use of mobile device technology to continuously collect patient-reported symptoms during radiotherapy for head and neck cancer: A prospective feasibility study. *Advances in Radiation Oncology*. (in press) 1-7.
  36. Howell CR, Gross HE, **Reeve BB**, DeWalt DA, Huang I-C. Known-groups validity of the Patient-Reported Outcomes Measurement Information System® (PROMIS®) in adolescents and young adults with special health care needs. *Quality of Life Research* 2016;25(7):1815-1823.
  37. Leach CR, Bellizzi KM, **Reeve BB**, Hurria A. Is it my cancer or am I just getting older? Impact of cancer on age-related health conditions of older cancer survivors. *Cancer* 2016 (in press). 1-10.
  38. Zikos E, Coens C, Quinten C, Ediebah DE, Martinelli F, Ghislain I, King MT, Gotay C, Ringash J, Velikova G, **Reeve BB**, Greimel E, Cleeland CS, Flechtner H, Taphoorn MJ, Weis J, Schmucker-von Koch J, Sprangers MA, Bottomley A. The added value of analyzing pooled health-related quality of life data: a review of the EORTC PROBE initiative. *J Natl Cancer Inst*. 2016;108(5):1-8.
  39. Magnus B\*, Liu Y\*, He J\*, Quinn H\*, Thissen D, Gross HE, DeWalt DA, **Reeve BB**. Mode effects between computer self-administration and telephone interviewer-administration of the PROMIS® Pediatric measures, self and proxy report. *Quality of Life Research*. 2016:online first:1-11.
  40. **Reeve BB**, Thissen D, DeWalt DA, Huang I-C, Liu Y, Magnus B, Quinn H, Gross HE, Kisala PA, Ni P, Haley SM, Mulcahey MJ, Charlifue S, Hanks R, Slavin M, Jette AM, Tulskey DS. Linkage between the PROMIS® pediatric and adult emotional distress measures. *Quality of Life Research* 2016;25:823-833.
  41. Pinheiro LC\*, Callahan LF, Cleveland RJ, Edwards LJ, **Reeve BB**. The performance and association between patient-reported and performance-based measures of physical functioning in research on individuals with arthritis. *Journal of Rheumatology* 2016;43(1):131-137.
  42. Weaver M, **Reeve BB**, Baker J, Martens C, McFatrigh M, Mowbray C, Palma D, Sung L, Tomlinson D, Withycombe J, Hinds PS. Concept elicitation phase for the pediatric Patient-Reported Outcome Version of the Common Terminology Criteria for Adverse Events (PRO-CTCAE) measure development. *Cancer* 2016;122(1):141-148.
  43. Bennett AV, **Reeve BB**, Basch E, Mitchell SA, Meenaghan M, Battaglini M, Smith-Ryan A, Phillips B, Shea TC, Wood WA. Evaluation of pedometry as a patient-centered outcome in patients undergoing hematopoietic cell transplant (HCT): A comparison of pedometry and patient-reports of symptoms, health, and quality of life. *Qual Life Res* 2016;25(3):535-546.
  44. Thissen D, Liu Y, Magnus B, Quinn H, Gipson DS, Dampier CD, Huang IC, Hinds PS, Selewski DT, **Reeve BB**, Gross HE, Dewalt DA. Estimating minimally important difference (MID) in PROMIS pediatric measures using the scale-judgment method. *Quality of Life Research* 2016;25:13-23.
  45. Craig BM, Brown DS, **Reeve BB**. Valuation of child behavioral problems from the perspective of US adults. *Medical Decision Making* 2016;36(2):199-209.
  46. Howell CR, Thompson L, Gross H, **Reeve BB**, DeWalt D, Huang I-C. Responsiveness to change in PROMIS® measures among children with asthma: a report from the PROMIS® pediatric asthma study. *Value in Health* 2016;19(2):192-201. DOI: <http://dx.doi.org/10.1016/j.jval.2015.12.004>
  47. Kyte D, **Reeve BB**, Efficace F, Haywood K, Mercieca-Bebber R, King MT, Norquist JM, Lenderking WR, Snyder C, Ring L, Velikova G, Calvert M. International Society for Quality of Life Research commentary on the draft European Medicines Agency reflection paper on the use of patient-reported outcome (PRO) measures in oncology studies. *Quality of Life Research* 2016;25(2):359-362.
  48. Bryant AL\*, Walton AM, Shaw-Kokot J, Mayer DK, **Reeve BB**. A systematic review of psychometric properties of health-related quality of life and symptom instruments in adult acute leukemia survivors. *Cancer Nursing* 2016;39(5):375-382.
  49. Craig BM, Brown DS, Greiner W, **Reeve BB**. Valuation of child health-related quality of life in the United States. *Health Economics* 2016;25(6):768-77.
- 2015**
50. Zheng L, Thompson L, Gross H, Shenkman E, **Reeve BB**, DeWalt D, Huang I-C. Longitudinal associations among asthma control, sleep problems, and health-related quality of life in children with asthma: a report from the PROMIS Pediatric Asthma Study. *Sleep Medicine*. In press.

51. Evon DM, Wahed AS, Johnson G, Khalili M, Lisker-Melman M, Fontana RJ, Sarkar S, **Reeve BB**, Hoofnagle JH. Fatigue in patients with chronic Hepatitis B living in North America: results from the Hepatitis B Research Network (HBRN). *Digestive Diseases and Sciences*. In press.
52. Stover A\*, Irwin DE, Chen RC, Chera BS, Mayer DK, Muss HB, Rosenstein DL, Shea TC, Wood WA, Lyons JC, **Reeve BB**. Integrating patient-reported measures into routine cancer care: cancer patients' and clinicians' perceptions of acceptability and value. *eGEMs (Generating Evidence & Methods to improve patient outcomes)* 2015;3(1): article 17. 1-22.
53. Barile JP, Mitchell SA, Thompson WW, Zack MW, **Reeve BB**, Cella D, Smith AW. Patterns of chronic conditions and their associations with behaviors and quality of life. *Preventing Chronic Disease* (in press) 1-10.
54. Kohler RE\*, Lee CN, Gopal S, **Reeve BB**, Weiner BJ, Wheeler SB. Developing a discrete choice experiment in Malawi: eliciting preferences for breast cancer early detection services. *Patient Preference and Adherence* 2015;9:1459-1472.
55. Pergolotti M\*, Deal AM, Williams GR, Bryant AL, **Reeve BB**, Muss HB. A randomized controlled trial of outpatient CAncer REhabilitation for older adults: the CARE program. *Contemporary Clinical Trials*. 2015;44:89-94.
56. Dueck AC, Mendoza TR, Mitchell SA, **Reeve BB**, Castro KM, Rogak LJ, Atkinson TM, Bennett AV, Denicoff AM, O'Mara AM, Li Y, Clauser SB, Bryant DM, Bearden JD, Gillis TA, Harness JK, Siegel RD, Paul DB, Cleeland CS, Schrag D, Sloan JA, Abernethy AP, Bruner DW, Minasian LM, Basch E. Validity and reliability of the U.S. National Cancer Institute's Patient-Reported Outcomes Version of the Common Terminology Criteria for Adverse Events (PRO-CTCAE). *JAMA Oncology* 2015;1(8):1051-1059.
57. Weinfurt KP, Lin L, Bruner DW, Cyranowski JM, Dombeck CB, Hahn EA, Jeffery DD, Luecht RM, Magasi S, Porter LS, Reese JB, **Reeve BB**, Shelby RA, Smith AW, Willse JT, Flynn KE. Development and initial validation of the PROMIS® Sexual Function and Satisfaction Measures version 2.0. *Journal of Sexual Medicine* 2015;12(9):1961-74.
58. Jensen RE, Potosky AL, **Reeve BB**, Hahn E, Cella D, Fries J, Smith AW, Keegan TH, Wu X, Paddock L, Moinpour CM. Validation of the PROMIS physical function measures in a diverse U.S. population-based cohort of cancer patients. *Quality of Life Research*. 2015;24:2333-2344.
59. Craig BM, Brown DS, **Reeve BB**. The value adults place on child health and functional status. *Value in Health* 2015;18(4):449-456.
60. Selewski DT, Troost JP, Massengill SF, Gbadegesin RA, Greenbaum LA, Shatat IF, Cai Y, Kapur G, Hebert D, Somers MJ, Trachtman H, Pais P, Seifert ME, Goebel J, Sethna CB, Mahan JD, Gross HE, Herreshoff E, Liu Y, Song PX, **Reeve BB**, DeWalt DA, Gipson, DS. The impact of disease duration on quality of life in children with nephrotic syndrome: a midwest Pediatric Nephrology Consortium study. *Pediatric Nephrology* (in press) 1-9.
61. Pergolotti M\*, Deal AM, Lavery J, **Reeve BB**, Muss HB. The prevalence of potentially modifiable functional deficits and the subsequent use of occupational and physical therapy by older adults with cancer. *Journal of Geriatric Oncology*. (in press) 1-8.
62. Quach C\*, Sanoff HK, Williams GR, Lyons JC, **Reeve BB**. Impact of diagnosis and treatment of colorectal cancer on health-related quality of life among older Americans: a population-based, case-control study. *Cancer* 2015;121(6):943-950. doi: 10.1002/cncr.29125
63. Weidenbacher H., Beadles C, Maciejewski ML, **Reeve BB**, Voils CI. Extent and reasons for nonadherence to antihypertensive, cholesterol, and diabetes medications: the association with depressive symptom burden in a sample of American veterans. *Patient Preference and Adherence* 2015;9:327-336.
64. Chen RC, Carpenter WR, Kim M, Hendrix LH, Agans RP, Meyer AM, Hoffmeyer A, **Reeve BB**, Nielsen ME, Usinger DS, Strigo TS, Jackman AM, Anderson M, Godley PA. Design of the North Carolina Prostate Cancer Comparative Effectiveness & Survivorship Study (NC ProCESS). *J Comp Eff Res* 2015;4(1):3-9.
65. Bryant AL\*, Walton AM, Shaw-Kokot J, Mayer DK, **Reeve BB**. Symptoms and quality of life in adult survivors of acute leukemia: a systematic review. *Oncology Nursing Forum* 2015;42(2):1-11.

66. Pinheiro LC\*, Wheeler SB, Chen RC, Mayer DK, Lyons JC, **Reeve BB**. The effects of cancer and racial disparities in health-related quality of life among older Americans: a case-control, population-based study. *Cancer* 2015;121(8):1312-1320. doi: 10.1002/cncr.29205.
67. Wood W\*, Deal A, Bennett A, Mitchell S, Abernethy A, Basch E, Shatten C, **Reeve BB**. Comparison of 7-day and repeated 24-hour recall of symptoms in the first 100 days following hematopoietic cell transplantation *Journal of Pain and Symptom Management* 2015;49(3):513-520. doi: 10.1016/j.jpainsymman.2014.06.011.

**2014**

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187. Lipscomb J, Donaldson MS, Arora NK, Brown ML, Clauser SB, Potosky AL, **Reeve BB**, Rowland JH, Snyder CF, Taplin SH. Cancer outcomes research. *Journal of the National Cancer Institute Monographs* 2004;33:178-97.

**2003**

188. **Reeve BB**. Item response theory modeling in health outcomes measurement. *Expert Review of Pharmacoeconomics & Outcomes Research* 2003;3:131-45.
189. Freedman AN, Wideroff L, Olson L, Davis W, Klabunde C, Srinath KP, **Reeve BB**, Croyle RT, Ballard-Barbash R. US physicians' attitudes toward genetic testing for cancer susceptibility. *American Journal of Medical Genetics* 2003;120A:63-71.

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191. Potosky AL, **Reeve BB**, Clegg LX, Hoffman RM, Stephenson RA, Albertsen PC, Gilliland FD, Stanford JL. Quality of life following localized prostate cancer treated initially with androgen deprivation therapy or no therapy. *Journal of the National Cancer Institute* 2002;94:430-7.

**Abstracts, Oral, and Poster Presentations and Workshops**

- Reeve BB**. (2016, October) *Assessing responsiveness over time of the PROMIS® Pediatric symptom and function measures in three chronic diseases*. Oral presentation at the 23<sup>rd</sup> Annual Conference of the International Society for Quality of Life Research. Copenhagen, Denmark.
- Reeve BB**. (2016, October) *Applications of item response theory modeling for improving patient-reported outcomes measurement*. Full day workshop at the Food and Drug Association (FDA). Silver Spring, MD.
- Reeve BB**. (2016, June) PROMIS Pediatric Measures. Invited oral presentation for HealthMeasures Users Workshop. Chicago, IL.
- Reeve BB**. (2016, May) *Applications of item response theory modeling for improving patient-reported outcomes measurement*. Workshop at ISPOR's 21st Annual International Meeting. Washington, DC.
- Reeve BB**. (2016, May) *Patient-reported outcomes assessment in pediatric research*. Invited oral presentation for PharmSci 2016 Addressing Methodological and Ethical Issues in Pediatric Medication Safety Research. Chapel Hill, NC.
- Reeve BB**. (2016, April) *The Patient-Reported Outcomes Measurement Information System (PROMIS) initiative*. Invited oral presentation for the University of Arizona College of Pharmacy, Pharmaceutical Economics, Policy, and Outcomes (EPO). Tucson, AZ.
- Reeve BB**. (2015, November) *Enhancing the patient voice in clinical care through patient-reported data*. Invited oral presentation for the UNC Cancer Network – Telehealth Medical Lecture. Chapel Hill, NC. <http://unclineberger.org/unccn/unc-cn-education-portal>
- Reeve BB**. (2015, October) *Integrating the child's voice in adverse event reporting in oncology trials: cognitive interview findings from the multisite pediatric PRO-CTCAE initiative*. Poster presentation for the International Society for Quality of Life Research (ISOQOL) 22<sup>nd</sup> Annual Conference, Vancouver, BC, CA.
- Reeve BB**. (2015, October) *Integrating PROMIS into healthcare delivery settings*. Invited oral presentation for the International Society for Quality in Healthcare 32<sup>nd</sup> Annual Conference, Doha, Qatar.
- Reeve BB**. (2015, September) *Measuring patient-centered communication in colorectal cancer care and research*. Invited oral presentation at Association of North Carolina Cancer Registrars Annual Meeting. Raleigh, NC.

11. **Reeve BB.** (2015, September) *Enhancing the child's voice in clinical research*. Invited oral presentation at the FDA's Clinical Outcome Assessments in Pediatric Oncology Trials symposium. Silver Spring, MD.
12. **Reeve BB.** (2015, August) *Integrating PROMIS into oncology clinical practice settings*. Invited oral presentation at IPOS & APOS World Congress of Psycho-Oncology. Washington DC.
13. **Reeve BB.** (2015, May) *Applications of item response theory modeling for improving patient-reported outcomes measurement*. Workshop at ISPOR's 20th Annual International Meeting. Philadelphia, PA.
14. **Reeve BB.** (2015, May) *Enhancing the patient's voice in comparative effectiveness research*. Invited oral presentation at Building Bridges to Advance CER - Triangle Comparative Effectiveness Research Symposium. Durham, NC.
15. **Reeve BB.** (2015, April) *Revisiting guidance on PRO measure design and evaluation*. Invited oral presentation at FDA's PDUFA V Clinical Outcomes Assessment Development and Implementation: Opportunities and Challenges Public Workshop. Silver Spring, MD.
16. **Reeve BB.** (2015, March) *Enhancing the child's voice in clinical care and research*. Invited oral presentation at Institute of Medicine workshop on Comprehensive Cancer Care for Children and their Families. Washington, DC.
17. **Reeve BB, Basch EM.** (2014, September) *How to select the appropriate PRO measure*. Part of webinar series on Best Practices for Integrating Patient-Reported Outcomes in Oncology Clinical Trials. [http://prevention.cancer.gov/news-events/events/videos/pro\\_symptommanagementwebinars](http://prevention.cancer.gov/news-events/events/videos/pro_symptommanagementwebinars) National Cancer Institute.
18. **Reeve BB, Chen, W-H, Pinheiro LC, McFatrigh MK, Jensen RE, Teresi JA, Potosky AL.** (2014, October) *Psychometric evaluation of the PROMIS fatigue measure in an ethnically/racially diverse population-based sample of cancer patients*. Poster presentation at International Society for Quality of Life Research (ISOQOL) 21<sup>st</sup> Annual Conference. Berlin, Germany.
19. **Reeve BB.** (2014, October) *Evidentiary considerations for making existing PRO instruments fit for purpose*. Oral presentation at Brookings Institution's meeting on: Advancing Development and Use of Patient-Reported Outcomes in Drug Development: Near-Term Opportunities. Washington, DC.
20. **Reeve BB.** (2014, June) *Challenges and opportunities for creating a PRO infrastructure for purposes of informing clinical care, quality improvement, and research*. Oral presentation at ISPOR's 19th Annual International Meeting. Montreal, Quebec, CA.
21. **Reeve BB, Withycombe J, Tomlinson D, Sung L, Pinheiro LC, Mowbray RC, McFatrigh M, Martens C, Mack JW, Lyons JC, Kohler K, Keller S, Jacobs SS, Gold SH, Freyer DR, Baker JN, Hinds PS.** (2014, June). *Integrating the child's voice in adverse event reporting in oncology trials: initial steps in the Pediatric PRO-CTCAE initiative*. Poster presentation at ISPOR's 19th Annual International Meeting. Montreal, Quebec, CA.
22. **Reeve BB.** (2014, June). *Applications of item response theory modeling for improving patient-reported outcomes measurement*. Workshop at ISPOR's 19th Annual International Meeting. Montreal, Quebec, CA.
23. **Reeve BB.** (2014, March). *Developing patient-reported outcome (PRO) measures*. Oral presentation at NephCure Foundation meeting on: Patient Reported Outcomes (PRO) Development in Glomerular Diseases. Silver Spring, MD, US.
24. **Reeve BB.** (2013, December). *An Introduction to item response theory (IRT) and application of IRT for survey design and analysis*. Online webinar: <https://www.aapor.org/AAPORKentico/Education-Resources/Online-Education/Webinar-Details.aspx?webinar=WEB1213> American Association for Public Opinion Research.
25. **Reeve BB.** (2013, November). *Challenges and opportunities to creating a PRO infrastructure for purposes of informing clinical care, research, and quality improvement*. Oral presentation at PCORI's Patient Reported Outcomes (PRO) Infrastructure Workshop. Atlanta, GA, US.
26. **Reeve BB.** (2013, October). *Review of self-report symptom measures in pediatric oncology research*. Oral presentation at the ISOQOL 20<sup>th</sup> Annual Conference. Miami, Florida, US.
27. **Reeve BB.** (2013, September). *Item response theory: Enhancing health outcomes measurement*. Oral presentation at Symposium on Item Response Theory in Health Measurement. Sponsored by the University of Twente. Amsterdam, Netherlands.
28. **Reeve BB.** (2013, May) *Applications of item response theory modeling for improving patient-reported*

- outcomes measurement*. Workshop at ISPOR 18th Annual International Meeting. New Orleans, LA.
29. **Reeve BB**, Stover AM. (2013, March). *Introduction to Item Response Theory (IRT) and its Applications for Questionnaire Design and Evaluation in Behavioral Medicine*. Pre-conference workshop taught at the 2013 annual meeting of the Society of Behavioral Medicine, San Francisco, CA.
  30. **Reeve BB**. (2012, November). *Introduction to Item Response Theory (IRT) Modeling and Applications for Survey Research*. One day workshop sponsored by the Joint Program in Survey Methodology (JPSM). Washington, DC.
  31. **Reeve BB**. (2012, October). *Identification of subjective adverse event terms to inform the development of a child self-report measure for use in oncology trials*. Oral presentation at ISOQOL 19th Annual Conference. Budapest, Hungary.
  32. **Reeve BB**. (2012, October). *ISOQOL recommends minimum standards for patient-reported outcome measures in comparative effectiveness and patient centered outcomes research*. Oral presentation at ISOQOL 19th Annual Conference. Budapest, Hungary.
  33. **Reeve BB**. (2012, June) *Applications of item response theory modeling for improving patient-reported outcomes measurement*. Workshop at ISPOR 17th Annual International Meeting. Washington, DC.
  34. **Reeve BB**. (2011, October). *Recommended core set of patient-reported health-related quality of life (HRQOL) domains in cancer*. Oral presentation at 18<sup>th</sup> Annual ISOQOL Conference. Denver, CO.
  35. **Reeve BB**. (2011, June). *The scientific rationale for using patient-reported outcomes to assess adverse events in clinical research*. Oral presentation at DIA 2011 Annual Conference. Chicago, IL.
  36. **Reeve BB**. (2011, May) *Applications of item response theory modeling for improving patient-reported outcomes measurement*. Workshop at ISPOR 16th Annual International Meeting. Baltimore, MD.
  37. **Reeve BB**. (2010, May). *Introduction to Item Response Theory (IRT) Modeling and Applications for Survey Research*. One day workshop sponsored by the Joint Program in Survey Methodology (JPSM). Bethesda, MD.
  38. **Reeve BB**. (2010, May) *Enhancing safety monitoring in cancer trials: the Patient-Reported Outcomes version of the Common Terminology Criteria for Adverse Events (PRO-CTCAE)*. Oral presentation at ISPOR 15th Annual International Meeting. Atlanta, GA.
  39. **Reeve BB**. (2010, May) *Applications of item response theory modeling for improving health outcomes measurement*. Workshop at ISPOR 15th Annual International Meeting. Atlanta, GA.
  40. **Reeve BB**. (2010, April) *Advancing health outcomes measurement: the Patient-Reported Outcomes Measurement Information System (PROMIS)*. Plenary presentation at 2010 EORTC Quality of Life Group Meeting. Rome, Italy.
  41. **Reeve BB**. (2010, February) *Advancing the science of health-related quality of life assessment in cancer patients and survivors*. Oral presentation at the 2010 American Psycho-Oncology Society (APOS) Conference. New Orleans, LA.
  42. **Reeve BB**. (2009, July) *Advancing health outcomes measurement: the NIH Patient-Reported Outcomes Measurement Information System (PROMIS)*. Invited paper at JSM 2009, Washington DC.
  43. **Reeve BB**. (2009, May). *Application of psychometric methods by PROMIS for health outcomes measurement*. Education Session at 2009 ASCO Annual Meeting. Orlando, FL.
  44. **Reeve BB**. (2009, May). *PRO assessment in NCI-sponsored trials and content validity*. Issue Panel Presentation at ISPOR 14th Annual International Meeting. Orlando, FL.
  45. **Reeve BB**. (2009, May). *Applications of item response theory modeling for improving health outcomes measurement*. Workshop at ISPOR 14th Annual International Meeting. Orlando, FL.
  46. **Reeve BB**. (2008, October). *PROMIS: next steps*. Oral presentation at ISOQOL 15<sup>th</sup> Annual Meeting. Montevideo, Uruguay.
  47. **Reeve BB**. (2008, October). *Item response theory and its applications to health-related quality of life measurement*. Workshop at the ISOQOL 15<sup>th</sup> Annual Meeting. Montevideo, Uruguay.
  48. **Reeve BB**. (2008, October). *Item Banking & PROMIS: Advancing the Science of Patient-Reported Outcomes Assessment in Clinical Trials*. Oral presentation at The National Hispanic Science Network (NHSN) on Drug Abuse Annual Conference. Bethesda, MD.
  49. **Reeve BB**, Willis G., Shariff-Marco SN., Breen N., Williams DR., Gee GC., Alegria M., Takeuchi DT., Levin, KY. (2008, June). *Multi-Methods Approach to Evaluate and to Refine the Everyday Discrimination Scale for Use in a Multi-Ethnic/Race Populations*. Oral presentation at the International

- Conference on Survey Methods in Multinational, Multiregional, and Multicultural Contexts. Berlin, Germany.
50. **Reeve BB.** (2008, June). *PROMIS: Results from Wave I Testing and Calibration*. Oral presentation at the Academy Health 2008 Annual Research Meeting. Washington DC.
  51. **Reeve BB.** (2008, February). *Item Banking & PROMIS: Advancing the Science of Patient-Reported Outcomes Assessment in Clinical Trials*. NIDA-sponsored Clinical Trial Network Steering Committee Meeting. Bethesda, MD.
  52. **Reeve BB.,** Arora NK., Clauser SB., Haffer SC., Han PKJ., Hays RD., Potosky AL., Smith AW. (2007, October). *Prospective Evaluation of Cancer Diagnosis and Initial Treatment on Health-Related Quality of Life in Cancer Patients and Survivors*. Oral presentation at the ISOQOL 14th Annual Meeting. Toronto, Ontario, Canada.
  53. **Reeve BB.,** Chang CH. (2007, October). *Item response theory and its applications to health-related quality of life measurement*. Workshop at the ISOQOL 14<sup>th</sup> Annual Meeting. Toronto, Ontario, Canada.
  54. **Reeve BB.** (2007, August). *Item Banking: Advancing the Science of Patient-Reported Outcomes Assessment in Clinical Trials*. Oral presentation at the American Urologic Association Summer Research Conference: Clinical Trials and Outcomes Research. Los Angeles, CA.
  55. **Reeve BB.** (2007, May). *Item Response Theory and its Applications to Measurement of Patient-Reported Outcomes*. Workshop at the International Society for Pharmacoeconomics and Outcomes Research 12<sup>th</sup> Annual International Meeting. Arlington, VA.
  56. **Reeve BB.** (2007, April). *Applying Item Response Theory to Enhance Health Outcomes Assessment*. Oral presentation at the George Mason – Inova Health Systems Second Annual Research Symposium: The Application of Translational Research in Clinical Medicine. Manassas, VA.
  57. **Reeve BB.** (2006, November). *Introduction to Item Response Theory (IRT) Modeling and Applications for Survey Research*. One day workshop sponsored by the Joint Program in Survey Methodology (JPSM). Bethesda, MD.
  58. **Reeve BB.,** Clauser SB., & Lipscomb J. (2006, October). *Patient-reported outcomes assessment in cancer trials: Evaluating and enhancing the payoff to decision making*. Oral presentation at the ISOQOL 13th Annual Meeting. Lisbon, Portugal.
  59. **Reeve BB.,** Cella D. (2006, October). *Patient-Reported Outcomes Measurement Information System (PROMIS)*. Oral presentation at the ISOQOL 13th Annual Meeting. Lisbon, Portugal.
  60. **Reeve BB.,** Chang, CH. (2006, October). *Item response theory and its applications to health-related quality of life measurement*. Workshop at the ISOQOL 13<sup>th</sup> Annual Meeting. Lisbon, Portugal.
  61. **Reeve BB.** (2006, September). *What exactly is the PROMIS developing and when can I get it?* Plenary presentation at NIH-sponsored conference, Building Tomorrow's Patient-Reported Outcome Measures. The inaugural PROMIS Conference. Gaithersburg, MD.
  62. **Reeve BB.,** Donaldson MS., Clauser SB. (2006, July) *Utilization of Patient-Reported Outcomes Data in Oncology Practice to Enhance Decision-Making: The National Cancer Institute's Outcomes Research Branch*. Oral presentation at UICC World Cancer Congress 2006. Bridging the Gap: Transforming Knowledge into Action. 65-1. Washington, DC.
  63. **Reeve BB.,** Chang CH. (2005, October). *Item response theory and its applications to health-related quality of life measurement*. Workshop at the ISOQOL 12<sup>th</sup> Annual Meeting. San Francisco, CA.
  64. **Reeve BB.** (2005, June). *NIH Roadmap Initiative: Patient-Reported Outcomes Measurement Information System (PROMIS)*. Presentation at NIH-sponsored conference: Critical Issues in eHealth Research. Bethesda, MD.
  65. Mitchell SA., **Reeve BB.,** Paveltic SZ. (2005, June). *Assessing Response in Chronic Graft-versus-Host Disease: A Feasibility and Reliability Evaluation- A Pilot Study*. Oral presentation at NIH's conference: Chronic GvHD: The Next Frontier in Transplantation Research. Bethesda, MD.
  66. **Reeve BB.** (2005, May). *Keeping a PROMIS: The NIH Roadmap Initiative on Patient-reported Outcomes*. Oral presentation at ISPOR's 10th Annual International Meeting. Washington, DC.
  67. **Reeve BB.** (2005, April). *Enhancing our ability to deliver quality health care: Will the NIH keep its PROMIS?* Oral presentation at the DIA-sponsored conference: Benefits and Challenges with ePRO Outcomes and Endpoints as We Emerge from the Long Age of Paper Methods. Arlington, VA.
  68. **Reeve BB.** (2005, January). *Advances in health outcomes measurement*. Oral presentation at NIH Burden of Muscle Disease Workshop, Bethesda, MD.

69. **Reeve BB.**, & Arora NK. (2005, January). *Evaluating measurement equivalence between Hispanic and non-Hispanic responders to the English form of the HINTS information seeking experience evaluation (ISEE) scale*. Oral presentation at HINTS Data Users Conference, St. Pete Beach, FL.
70. Alfano CM., McGregor BA., Kuniyuki A., **Reeve BB.**, Baumgartner KB., Bernstein L., Ballard-Barbash R., McTiernan A., Bowen DJ. (2005, January). *Hormone-Related Symptoms and Health-Related Quality of Life in a Multiethnic Cohort of Breast Cancer Survivors, 2 Years Post-Diagnosis*. Poster presented at the 2<sup>nd</sup> annual meeting of the American Psychosocial Oncology Society. Phoenix, AZ.
71. **Reeve BB.** (2004, December). *Enhancing our ability to deliver quality health care: Will the NIH keep its PROMIS?* Oral presentation at the second annual RTI Fellows Symposium: Health Technology and Public Policy: Issues and Innovations Shaping the Future. Research Triangle Park, NC.
72. **Reeve BB.**, Chang CH. (2004, June). *Item response theory and its applications to health-related quality of life measurement*. Workshop at the ISOQOL Symposium: Stating the Art: Advancing Outcomes Research Methodology and Clinical Applications. Boston, MA.
73. **Reeve BB.** (2004, May). *Applying item response theory modeling for improving patient-reported outcomes measurement*. Workshop at ISPOR 9<sup>th</sup> Annual International Meeting, Arlington, VA.
74. **Reeve BB.** (2003, December). *Quantitative methods to evaluate measurement equivalence across surveys administered in different languages*. Oral presentation at Washington's Statistical Society conference: Quality Assurance in the Government, Arlington, VA.
75. Chang CH, **Reeve BB.** (2003, November). *Item response theory and its applications to health-related quality of life measurement*. Workshop at The ISOQOL Annual Meeting, Prague, Czech Republic.
76. **Reeve BB.**, Mâsse, LC. (2003, August). *Applications of item response theory for questionnaire evaluation*. Contributed paper session on "A Sampling of the Best of QDET: Questionnaire Evaluation Methods" at the Joint Statistical Meetings, San Francisco, CA.
77. **Reeve BB.**, Chang CH. (2003, March). *Item response theory and its application to health outcomes research*. Workshop at the Drug Information Association 10<sup>th</sup> Annual Symposium for Quality of Life Evaluation, Baltimore, MD.
78. Berrigan D., Dodd K., **Reeve B.**, Troiano R., & Ballard-Barbash R. (2003, March). *Associations between acculturation in Hispanics and physical activity: evidence for a tradeoff between leisure and non-leisure time activity*. Poster session at American Society of Preventive Oncology, Philadelphia, PA.
79. **Reeve BB.**, Mâsse, LC. (2002, November). *Applications of item response theory for questionnaire evaluation*. Contributed paper session at the International Conference on Questionnaire Development, Evaluation, and Testing, Charleston, SC.
80. **Reeve BB.**, Cella D., Hays RD., Santanello N., & Wu A. (2002, October). *Should computer adaptive testing methods become the standard for assessment in clinical research?* Debate at the ISOQOL Annual Meeting, Orlando, FL.
81. Chang CH, **Reeve BB.** (2002, October). *Item response theory and its applications to health-related quality of life measurement*. Workshop at The ISOQOL Annual Meeting, Orlando, FL.
82. **Reeve BB.** (2002, July). *Applications of item response theory for health outcomes measurement*. Oral presentation at The 2002 Joint Statistical Meetings, New York City, NY.
83. **Reeve BB.**, Potosky AL., Willis GB. (2002, March). *Psychometric evaluation of the PCOS bowel, urinary, and sexual function scales*. Oral presentation at the Drug Information Association 9<sup>th</sup> Annual Symposium for Quality of Life Evaluation, Hilton Head Island, SC.
84. **Reeve BB.** (2002, March). *Item response theory and its application to health outcomes research*. Workshop at the Drug Information Association 9<sup>th</sup> Annual Symposium for Quality of Life Evaluation, Hilton Head Island, SC.
85. **Reeve BB.** (2001, October). *Applications of Item Response Theory to cancer outcomes research: preliminary discussions from the Cancer Outcomes Measurement Working Group (COMWG)*. Oral presentation at the International Conference on Objective Measurement, Focus on Health Care, Chicago, IL.
86. **Reeve BB.** (2001, March). *Applications of Item Response Theory in outcomes research*. Oral presentation in plenary session at the Drug Information Association 8<sup>th</sup> Annual Symposium of Contributed Papers on Quality of Life Evaluation, Hilton Head Island, SC.

87. Thissen D., Flora D., **Reeve B.**, & Vevea J L. (2000, July). *Linear approximations for item response theory response pattern scores*. Paper presented at the annual meeting of the Psychometric Society, Vancouver, BC, Canada.
88. **Reeve BB.**, Hancock TD., Panter AT., Dahlstrom WG. (1999, August). *MMPI-2 research on clinical and non-clinical item responses*. Poster session presented at the American Psychological Association, Boston, MA.
89. Hancock TD., **Reeve BB.**, Panter AT., Dahlstrom WG. (1999, August). *MMPI-2 profiles of substance abusers versus psychiatric inpatients*. Poster session presented at the American Psychological Association, Boston, MA.
90. **Reeve BB.**, Panter AT., Robertson KR. (1997, August). *Neuropsychological decline across HIV disease stage and associated dementia*. Poster session presented at the American Psychological Association, Chicago, IL.
91. Wallsten S., Panter AT., **Reeve BB.** (1994, November). *Elderly caregiver stress study*. Poster session presented at the Gerontological Society of America Conference, Atlanta, GA.

**Other scholarly activities**

1. Vevea JL, Edwards MC, Thissen D, **Reeve BB**, Flora DB, Sathy V, Coon C. (2002). User's guide for Augment v.2: empirical bayes subscore augmentation software. Electronic Research Memorandum #2002-2. Chapel Hill, NC: University of North Carolina, L.L. Thurstone Psychometric Laboratory.

## Teaching Activities

### University of North Carolina, Chapel Hill, NC.

#### Faculty

- ♦ *HPM 794: Patient-Reported Outcomes Measurement and Application in Healthcare Research and Practice*: Course on the development of patient-reported outcomes measures and best practices for using patient-reported data in clinical research and practice.
  - ♦ Spring 2014 – 30 Students: 26 for credit, 4 audited
  - ♦ Spring 2015 - 18 Students: 9 for credit, 9 audited
  - ♦ Spring 2016 - 19 Students: 18 for credit, 1 audited
- ♦ *HPM 768: Informed Decision Making in Cancer Care*: Course that examines clinical decision-making in cancer care from the perspectives of providers, patients and families.
  - ♦ Spring 2013 – 15 Students: 12 for credit, 3 audited
  - ♦ Spring 2012 – 8 Students: 7 for credit, 1 audited
- ♦ *HPM 873: Research Seminar in Health Policy Management*: Seminar on policy issues in Health Policy and Management.
  - ♦ Spring 2013 – 13 Students
  - ♦ Fall 2012 – 13 Students
  - ♦ Spring 2012 – 11 Students
  - ♦ Fall 2011 – 11 Students
- ♦ *HPM 496: Readings in HPM. Independent Study Course: Questionnaire Design & Outcomes Research in Cancer*.
  - ♦ Spring 2013 – 1 Student

#### Other

- ♦ *PSYC 210: Statistical Principles of Psychological Research*. Required course for all undergraduate psychology majors, focuses on the methodological principles underlying psychological research, descriptive and inferential techniques, and the manner by which they may be employed to design psychological experiments and analyze behavioral data.
  - ♦ Instructor, Fall 1997/Spring 1998 – Full responsibility of teaching the course.
  - ♦ Teaching Assistant, Fall 1995/Spring 1996 – Taught computer lab sections and provided tutorial services.

**Advising/Mentoring**

<b>Mentor Trainees</b>	<b>Training Period</b>	<b>Degree Earned</b>	<b>Prior Degree</b>	<b>Award Date</b>	<b>Awarding Institution</b>	<b>Research Project Title</b>	<b>Current Position</b>
<u>Fellowships (Training Grants)</u>							
<b>Arlene Chung</b>	2014-2017	NA	MD			KL2	NC TraCS KL2 Program
<b>Satish Gopal</b>	2012-present	NA	MD, MPH	2012	NIH Fogarty	K01	Division of Hematology/Oncology
<b>Ashley Leak Bryant</b>	2014-present	NA	PhD, RN-BC, OCN	2011	UNC-CH	K12	Paul Calabresi Career Development Award for Clinical Oncology
<b>William Wood</b>	2011-2014	NA	MD, MPH	2011	UNC-CH	KL2 Research Training Award	Assistant Professor, Division of Hematology and Oncology
<b>Tyler Buckner</b>	2011-2014	NA	MD	2011	UNC-CH	T-32	Division of Hematology/Oncology
<u>Post Docs</u>							
<b>Mackenzie Pergolotti</b>	2013-2016	NA	PhD	2013	UNC-CH	CCQTP Postdoctoral Fellowship	Health Policy and Management
<b>Ashley Leak</b>	2011-2013	NA	PhD, RN-BC, OCN	2011	UNC-CH	CCQTP Postdoctoral Fellowship	Health Policy and Management
<u>PhD Students' Chaired</u>							
<b>Laura Pinheiro</b>	2015-2017	NA	MPH	2011	Boston University	Dissertation	Health Policy and Management
<b>Caroleen Quach</b>	2015-present	NA	MSPH	2013	UNC-CH	Dissertation	Health Policy and Management
<b>Theresa Coles</b>	2015-present	NA	MA	2012	UNC-CH	Dissertation	Health Policy and Management
<b>Angela Stover</b>	2010-2015	PhD	MA	2002	U. of Pittsburgh	Dissertation	Health Behavior

<b>Eduardo Valverde</b>	2013-2015	DrPH	MPH	1998	Florida International University	Dissertation	Health Policy and Management
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PhD Students' Committee

<b>Jordan Albritton</b>	2015-		MSPH		UNC-CH	Dissertation	Health Policy and Management
<b>Kristin Khalaf</b>	2015-2016	PhD		2016	Univ. of Arizona	Dissertation	Pharmaceutical Sciences
<b>Sun Hee Rim</b>	2014 – 2016	PhD	MPH	2016	UNC-CH	Dissertation	Health Policy and Management
<b>Racquel Kohler</b>	2013-2015	PhD	MPH	2015	UNC-CH	Dissertation	Health Policy and Management
<b>Sara Jacobs</b>	2012-2014	PhD	MPH	2014	UNC-CH	Dissertation	Health Policy and Management
<b>Leah Zullig</b>	2011-2013	PhD	MPH	2013	UNC-CH	Dissertation	Health Policy and Management
<b>Dio Kavalieratos</b>	2010-2012	PhD	MPH	2012	UNC-CH	Dissertation	Health Policy and Management

PhD Students' Primary Mentor

<b>Natalie Ernecoff</b>	2015-present	NA	MPH	2014	U. of Pittsburgh		Doctoral (PhD) student, UNC-CH
<b>Sejin Lee</b>	2015-present	NA	MA	2009	Columbia		Doctoral (PhD) student, UNC-CH
<b>Laura Pinheiro</b>	2013-present	NA	MPH	2011	Boston University	NIH Minority Supplement	Doctoral (PhD) Student, UNC-CH
<b>Caroleen Quach</b>	2013-present	NA	MSPH	2013	UNC-CH	Bristol-Myers Squibb	Doctoral (PhD) Student, UNC-CH
<b>Theresa Coles</b>	2012-present	NA	MA	2012	UNC-CH		Doctoral (PhD) Student, UNC-CH
<b>Angela Stover</b>	2013-2015	NA	MA	2002	U. of Pittsburgh	Predoc fellowship	NRSA, UNC Chapel Hill
<b>Angela Stover</b>	2011-2013	NA	MA	2002	U. of Pittsburgh	Predoc fellowship	CCEP (R25), UNC Chapel

Hill

Master's Students Committee

<b>Nancy Brown</b>	2015-2016	MSPH	BA	2013	UNC-CH	Master's Thesis	MSPH student
<b>Milap Dubal</b>	2014	MPH	BA	2014	UNC-CH	Master's Thesis	Public Health Leadership Program
<b>Helena Bristow</b>	1/2011-4/2011	NA	MPH	NA	UNC-CH	Practicum in Leadership MPH	Practicum in Leadership MPH

Undergraduate Student Primary Mentor

<b>Sravya Durbha</b>	2013-2014	BPH (honors)		2014	UNC-CH		
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**Grants and Contracts -****ACTIVE**

2015-IJ-CX-0022 (Platts-Mills) 09/01/2016 – 08/31/2018 0.04404 calendar (3.67%)  
 PCORI \$  
 Development and Validation of a Screening Protocol to Identify Elder Abuse in United States Emergency  
 Departments  
 Role: Co-Investigator

The goal of this project is to develop and validate an emergency department-specific protocol to screen for patients at high risk for elder abuse.

ME-1507-32079 (Basch) 08/01/2016 – 07/30/2019 0.12 calendar  
 PCORI \$930,695 (current year)  
 Development of a Patient-Centered Approach to Assessing Quality of Care: Patient-Reported Outcomes-  
 Based Performance Measures (PRO-PMs)  
 Role: Co-Investigator

The goal of this project is to develop a patient-centered approach to performance measurement. We will conduct feasibility testing of PRO measures in representative community and academic oncology practice settings in the U.S. to iteratively refine: 1) logistical strategy for systematically collecting this information at the practice level; 2) approaches for minimizing missing data, particularly from underserved populations; 3) analytic techniques to detect differences at the provider and practice levels; 4) adjustment for patient-level characteristics (case-mix); and 5) understanding of necessary numbers of patients to include at a practice for future implementation (i.e., denominators for particular PRO quality measures).

HPC-15030-27891 (Nelson) 03/01/2016 – 02/28/2021 1.2 calendar  
 PCORI \$740,486 (current year)  
 The PRIORITIZE STUDY: A Pragmatic Randomized Study of Oral Regimens for Hepatitis C: Transforming  
 Decision Making for Patients, Providers, and Stakeholders  
 Role: Co-Investigator

The goal of this project is to conduct a pragmatic, open-label, randomized study of 3750 patients infected with chronic hepatitis C genotype 1 to evaluate short-term and long-term patient-centered outcomes associated with three regimens: HARVONI®, Viekira Pak®, and Zepatier®. The study aims are to characterize and compare these regimens on treatment effectiveness, drug side effects, adherence, amelioration of HCV symptoms, functioning, and post-treatment progression and regression of liver disease.

U19AR069522 (Reeve and Schanberg) 09/30/2015 – 09/29/2019 1.2 calendar  
 NIH/NIAMS \$734,200 (current year)  
 Enhancing Clinical Meaningfulness and Usefulness of PROMIS Pediatric Measures Via Validation in  
 Children and Adolescents with Rheumatic Disease, Cancer, or Inflammatory Bowel Disease  
 Role: Principal Investigator

The goal of this study is to enhance the use of PROMIS Pediatric measures in clinical research and healthcare delivery settings through evidence generated from a multi-site longitudinal evaluation of PROMIS measures in children and adolescents with rheumatic disease, cancer, and inflammatory bowel disease.

CER-1408-20660 (Evon) 08/01/2015 – 07/31/2018 0.6 calendar  
 PCORI \$777,390 (current year)

The Patient-Reported Outcomes Project of HCV-TARGET ("PROP UP")

Role: Co-Investigator

The goal of this project is to conduct a multi-center prospective observational comparative effectiveness study that will evaluate several short-term and long-term patient-reported outcomes (HCV symptoms, treatment side effects, functioning, out of pocket costs, medication adherence) in 1600 patients undergoing treatment for chronic hepatitis C with Harvoni® or Viekira Pak® in the U.S.

1R21CA192127-01A1 (Wood) 07/01/2015 – 06/30/2017 0.6 calendar  
NIH/NCI \$213,180 (current year)

Exercise in Cancer Survivors Before Allogeneic Stem Cell Transplantation

Role: Co-Investigator

The goal of this study is to determine the efficacy of home-based interval exercise training in improving cardiorespiratory fitness prior to transplantation through the conduct of a randomized trial..

2 P01 CA142538-06 (Kosorok) 04/01/2015 – 03/31/2020 1.2 calendar  
NIH/NCI \$101,687 (current year)

Statistical Methods for Cancer Clinical Trials - Project 2: Statistical Methods for Biomarkers and Patient Reported Outcomes in Cancer Trials

Role: Co-Investigator

The primary goal of this project is to develop and evaluate new statistical methodology for the identification of patient reported outcomes, such as quality of life, in cancer clinical trials. We will also develop several novel statistical methods for establishing formal methods of decision making in cancer clinical trials.

U2CCA186878 (Cella) 09/01/2014 – 08/31/2018 1.8 calendar  
NIH/NCI \$3,199,780 (current year)

The National Person-Centered Assessment Resource (PCAR)

Role: Site Principal Investigator

UNC serves to oversee the outreach and psychometric support for pediatric measures included in the Patient-Centered Assessment Resource (PCAR) effort which includes PROMIS, Toolbox, ASCQ-Me, and Neuro-QOL.

Not Assigned (Withycombe) 01/01/2014 – 01/01/2017 0.24 calendar  
Alex's Lemonade Stand Foundation \$13,755 (current year)

Evaluation of the Literacy Demand and racial/Ethnic Influences for Self-Reported Symptomatic Adverse Events during Childhood Cancer Therapy - Subcontract with Palmetto Health

Role: Site Principal Investigator

UNC will provide statistical support for the sub-study, assistance with cognitive interview training and oversight, and assistance with overall project coordination between the parent grant and the sub-study.

ME-1303-5838 (McCormack and Reeve) 10/01/2013 – 09/30/2016 1.5 calendar  
PCORI \$250,000 (current year)

Measuring Patient-Centered Communication for Colorectal Cancer Care and Research

Role: Site Principal Investigator

The goal of this project is to design a conceptually-grounded, comprehensive, and psychometrically-robust measure of patient centered-communication to facilitate new and ongoing initiatives to improve patient-centered cancer care.

UL1TR001111 (Runge)	9/26/2013 - 4/30/2018	0.6 calendar
NIH	\$5,650,505 (current year)	
UNC Clinical Translation Science Award		
Role: Co-Investigator		

UNC TraCS Institute members serve as mentors for investigative teams with promising proposals, conduct pre-submission reviews of external grant proposals that request TraCS resources, serve as real-time consultants to the Innovation Champions, and hold consultation hours in the TraCS Institute to meet with investigators and trainees

R25CA116339 (Basch, Reeve, Wheeler)	09/01/2013 – 08/31/2018	1.20 calendar
NCI	\$456,998 (current year)	
Cancer Care Quality Training Program		
Role: Principal Investigator		

This program will train a cadre of clinician and non-clinician scientists at the pre-doctoral and post-doctoral level to work collaboratively in multidisciplinary teams to improve the quality of cancer care delivered across the cancer care continuum.

R01CA175759-01 (Reeve and Hinds)	07/01/2014 – 03/31/2018	0.0 calendar
NIH/NCI	\$48,511 (current year)	
Creating and Validating Child Adverse Event Reporting in Oncology Trials - Supplement		
Role: Principal Investigator		

This award is to support graduate research doctoral student Laura Pinheiro under the Research Supplements to Promote Diversity in Health-Related Research Program. Bryce Reeve serves as primary mentor.

R01CA175759-01 (Reeve and Hinds)	04/01/2013 – 03/31/2018	1.80 calendar
NIH/NCI	\$623,121 (current year)	
Creating and Validating Child Adverse Event Reporting in Oncology Trials		
Role: Principal Investigator		

The goal of this study is to design and evaluate a pediatric self-report of subjective adverse events (AEs) that will be used to screen and validly measure AEs in pediatric oncology trials.

R01-CA154537-02 (Sloan)	01/01/2013 – 05/31/2017	0.60 calendar
NIH/NCI	\$128,299 (current year)	
Assessing PROMIS and Other Simple Patient Reported Measures for Cancer		
Role: Co-Investigator		

The purpose of this project is to compare three different questionnaires that are designed to evaluate patient well-being, especially for people with cancer. The project will also test different ways of collecting questionnaire data such as pencil-and-paper forms, computerized forms, and automated telephone surveys.

R01CA174453-04 (supp) (Reeve and Chen)	09/21/2016 – 07/31/2017	0.0 calendar
NIH/NCI	\$150,000 (current year)	
PROMIS Validation in Prospective Population-based Prostate Cancer Research Study (supplement)		
Role: Principal Investigator		

The goal of this supplement is to investigate (1) whether routine use of PROMIS and other patient-reported measures in clinical practice is feasible and valuable for clinical management of symptoms among Black and White prostate and bladder cancer patients; and (2) whether feasibility and perceived value differ by race.

R01CA174453-04 (Reeve and Chen) 09/21/2012 – 07/31/2017 0.7 calendar  
 NIH/NCI \$430,122 (current year)  
 PROMIS Validation in Prospective Population-based Prostate Cancer Research Study  
 Role: Principal Investigator

The goal of this study is to evaluate the reliability, validity, and responsiveness of the Patient-Reported Outcomes Measurement System (PROMIS) measures through an extensive psychometric evaluation within a population-based cohort of men with prostate cancer participating in a prospective comparative effectiveness research study.

### Completed Research Support

R01CA160104-01 (Craig) 09/09/2011 – 07/31/2016  
 NIH/NCI \$33,329 (current year)  
 HRQoL Values for Cancer Survivors: Enhancing PROMIS Measures for CER  
 Role: Site Principal Investigator

The goal of this study is to estimate decision-relevant health outcome values for the NIH Patient-Reported Outcomes Measurement Information System (PROMIS) 29 item short form from both the societal perspective and cancer survivor perspective to inform findings from comparative effectiveness research studies.

R01CA174453-03 (Reeve and Chen) 09/21/2012 – 07/31/2016  
 NIH/NCI \$150,000 (total)  
 PROMIS Validation in Prospective Population-based Prostate Cancer Research Study - Supplement  
 Role: Principal Investigator

The goal of this supplemental study is to conduct latent profile analysis (LPA) to identify groups of men with prostate cancer who experience similar and dissimilar levels or patterns of decrements in physical, mental, and social well-being and to understand what clinical and socio-demographic factors are associated with each group.

U01AR052181 (Reeve) 09/30/2009 – 07/31/2014  
 NCE (extended to 8/15/2016)  
 NIH Common Fund Initiative \$52,000 (current year)  
 PROMIS Pediatrics: Longitudinal Validation and Linking Pediatric and Adult Item Banks  
 Role: Principal Investigator

Validity studies of PROMIS pediatric item banks and linking adult and pediatric item banks. This builds on our work of development of several item banks for children and adults in the first phase of PROMIS funding. Supplement: Perform study of mode of administration for pediatric item banks comparing computer administration versus interviewer administered over the phone

U01AR057971-02S1 (Potosky) 06/01/2013 – 07/31/2014  
 National Institutes of Health \$17,747 (total at UNC)  
 Validation of PROMIS in Diverse Cancer Populations - Supplement - Subcontract with Georgetown University

Role: Site Principal Investigator (10%)

UNC will analyze the item and scale performance of the PROMIS fatigue items that were included in the parent study overseen by Dr. Potosky. Analyses include simple descriptive statistics, classical test theory analysis, factor analysis, and item response theory modeling. Of interest, will be tests for differential item functioning among meaningful groups including gender, age, education, and cancer type.

HHSN261201300354P (Reeve) 09/23/2013 – 09/22/2014  
NIH/NCI \$14,093.39 (total)  
Expert Consultation for Advance Measurement of Patient-Reported Outcomes (PROs)  
Role: Principal Investigator (8%)

The goal of this project was to 1) assist NCI to develop a workshop series on contemporary methods to advance PROs in cancer research; 2) co-author a manuscript examining recall issues as it relates to the Patient-Reported Outcomes version of the Common Terminology Criteria for Adverse Events (PRO-CTCAE) measure; and 3) advise NCI on the design of cancer survivorship HRQOL research study in older Americans using the SEER-MHOS linked database.

HHSA29020050040ITO6 (Godley and Chen) 07/15/2010 – 07/14/2013  
AHRQ \$3,378,263 (total)  
Comparative Effectiveness of Management Options for Localized Prostate Cancer  
Role: Co-Investigator (10%)

The goal of this CER study is to compare alternative treatments for prostate cancer (open radical prostatectomy, minimally-invasive prostatectomy, 3D conformal radiation therapy, intensity-modulated radiation therapy, image-guided radiation therapy, proton radiation therapy, and brachytherapy) to evaluate the interventions' efficacy in terms of survival and health-related quality of life.

1U54RR024383-01A1 (Runge) 7/1/2008 - 6/30/2013  
NIH \$32,409,424 (total)  
UNC Clinical Translation Science Award  
Role: Co-Investigator (5%)

UNC TraCS Institute members serve as mentors for investigative teams with promising proposals, conduct pre-submission reviews of external grant proposals that request TraCS resources, serve as real-time consultants to the Innovation Champions, and hold consultation hours in the TraCS Institute to meet with investigators and trainees

No Number (Reeve) 07/01/2011 – 06/31/2013  
UNC University Cancer Research Fund (UCRF) \$200,000 (total)  
Development and pilot test of the UNC Patient-Reported Symptom Monitoring (PRSM) System in the North Carolina Cancer Hospital to enhance quality of cancer care.  
Role: Principal Investigator (0%)

The goal of this study is to design and evaluate an electronic system to collect and report symptom and health-related quality of life data for the purposes of improving cancer care in the North Carolina Cancer Hospital.

HHSN261201200456P (Reeve) 09/28/2012 – 03/27/2013  
NIH/NCI \$9,839.64 (total)  
Expert Consultation to Advance Measurement of Patient-Reported Outcomes (PROs)

Role: Principal Investigator (6%)

The goal of this project was to 1) advise NCI staff on the conduct of a Delphi process for priority setting for a future research agenda to advance PROs in cancer research; and 2) help write and review results from a validation study of the Patient-Reported Outcomes version of the Common Terminology Criteria for Adverse Events (PRO-CTCAE) measure.

HHSN261201100480P (Reeve) 09/20/2011 – 03/27/2013  
NIH/NCI \$16,888.81 (total)  
Expert Consultation to Advance Measurement of Patient-Reported Outcomes (PROs)  
Role: Principal Investigator (8%)

The goal of this project was to 1) guide NCI staff on the planning of a workshop on contemporary methods to advance PROs in cancer research; 2) assist in the development and write-up of a study examining changes in health-related quality of life in rare diseases; and 3) help write and review results from a psychometric study of the Patient-Reported Outcomes version of the Common Terminology Criteria for Adverse Events (PRO-CTCAE) measure.

PCORI-SOL-RMWG-001 (Butt and Reeve) 01/01/2012 – 05/31/2012  
Patient-Centered Outcomes Research Institute \$83,908 (total)  
Enhancing the Patient's Voice: Standards in the Design and Selection of Patient-Reported Outcomes Measures (PROMs) for Use in Patient Centered Outcomes Research  
Role: Site Principal Investigator (15%)

The goal of this study is to perform a landscape review and to develop minimal standards for the design and selection of patient-reported outcomes measures for use in patient-centered outcomes research studies. These recommendations will inform the Patient-Centered Outcomes Research Institute (PCORI) standards.

No Number (Hinds and Reeve) 01/02/2012 – 01/01/2013  
Alex's Lemonade Stand Foundation \$63,644 (total)  
Preliminary Content Validation Steps for the Pediatric Oncology Patient Self-Report CTCAE  
Role: Site Principal Investigator (5%)

The goal of this study is to incorporate pediatric clinicians feedback through two standardized multi-site surveys to identify CTCAE symptomatic adverse event terms amenable to child self-report.

HHSN261201000642P (Reeve) 09/24/2010 – 01/23/2012  
NIH/NCI \$24,888 (total)  
Expert Consultation for Research on the HEAL Fatigue Scale and SEER-MHOS Survival Study and the Development of a Research Agenda for the Patient-Reported Outcomes Version of the Common Terminology Criteria for Adverse Events  
Role: Principal Investigator (15%)

The goal of this project was to 1) develop a research agenda to adapt the NCI symptom monitoring system; 2) perform a psychometric study of the Piper Fatigue Scale in a cohort of breast cancer survivors; and 3) evaluate the added-value of patient-reported health status for predicting overall survival.

## **Professional Service**

### ***University Service***

- Reviewer for 2015 Marci K Campbell Dissertation Award (2015)
- UNC's Thurston Multidisciplinary Clinical Research Center (Advisory Board – 2013 – present)
- Lineberger's Cancer Outcomes Research Program (Member, 2012 – Present)
- Lineberger's Cancer Control Education Program (CCEP) (Member, 2012 – Present)
- NC TraCS Translational Science Advisory Board (Member, 2013 – 2015)
- EPIC Research Workgroup (Member, 2013 – 2014)
- Integrated Cancer Information and Surveillance System (Steering Committee, 2010 – 2013)
- Health Policy and Management's Decision Science and Outcomes Research minor area (Member, 2010 – Present)
- Lineberger Comprehensive Cancer Center (Member, 2010 - Present)

### **Extramural service**

- International Society for Quality of Life Research (ISOQOL) Advisory Council of Past Presidents (Chair, 2016-2018)
- Wake Forest NCORP Research Base CCCR (Cancer Care and Delivery Research) Steering Committee (Member, 2015-present)
- PatientsLikeMe Scientific Advisory Board (Member, 2013-2014)
- Healthy People 2020 Quality of Life and Well-Being Workgroup, (Member, 2012-2014)
- PROMIS Health Organization (Board of Directors, 2012 – 2016)
- ALLIANCE Cancer Cooperative Group's Health Outcomes Committee, (Member, 2011-present)
- International Society for Quality of Life Research (ISOQOL), (President, 2011-2013; Board of Directors, 2007-2014)
- National Institute for Nursing Research (NINR) Workshop for Innovative Questions in Symptom Science (Advisor, 2013)
- National Cancer Institute's Symptom Management and Health-Related Quality of Life Steering Committee (SxQOL Steering Committee), (Member, 2010-2014)
- European Organization for Research and Treatment of Cancer (EORTC) – Quality of Life Research Department (<http://www.eortc.be/probe/>) (Advisor, 2007-present)
- National Cancer Institute's Clinical Trials Planning Meeting: *Building Bridges- the Identification of Core Symptom and Health-Related Quality of Life Domains for use in Cancer Research*. (Co-Chair, 2011).
- National Cancer Institute and American Cancer Society co-sponsored conference: *Patient-Reported Outcomes Assessment in Cancer Trials (PROACT)*.  
[http://outcomes.cancer.gov/publications/jco\\_special.html](http://outcomes.cancer.gov/publications/jco_special.html) (Organized, 2006)
- National Cancer Institute and Drug Information Association co-sponsored conference: *Advances in Health Outcomes Measurement: Exploring the Current State and the Future Applications of Item Response Theory, Item Banks, and Computer Adaptive Testing*.  
<http://outcomes.cancer.gov/conference/irt/> (Organized, 2004)

### **Reviewer - Journals**

- |   |   |
|---|---|
| • <i>Applied Psychological Measurement</i>              | • <i>Journal of National Cancer Institute</i>     |
| • <i>Clinical Cancer Research</i>                       | • <i>Journal of Pain &amp; Symptom Management</i> |
| • <i>European Journal of Psychological Assessment</i>   | • <i>Journal of Patient-Reported Outcomes</i>     |
| • <i>Health Care Financing Review</i>                   | • <i>Journal of Supportive Care in Cancer</i>     |
| • <i>Health Education Research</i>                      | • <i>Journal of the Soc. for Clinical Trials</i>  |
| • <i>Health Services Research Journal</i>               | • <i>Journal of Urology</i>                       |
| • <i>Journal of Adolescent and Young Adult Oncology</i> | • <i>Medical Care</i>                             |
| • <i>Journal of American Medical Association</i>        | • <i>Nature Clinical Reviews</i>                  |
| • <i>Journal of Cancer Pain and Symptom Palliation</i>  | • <i>Patient Education and Counseling</i>         |
|   | • <i>Pediatric Blood &amp; Cancer</i>             |
|   | • <i>Psycho-Oncology</i>                          |

- *Journal of Clinical Epidemiology*
- *Journal of Clinical Oncology*
- *Journal of General Internal Medicine*
- *Quality of Life Research*
- *Statistics in Medicine*
- *Value in Health*
- *Women's Health Issues*

**Guest Editor**

*Journal of Clinical Oncology* (2007, Volume 25, No 32). Ganz, P. A., Reeve, B. B., Clauser, S. B., Lipscomb, J. *Patient-Reported Outcomes Assessment in Cancer Trials*.

*Quality of Life Research*. (2007, Volume 16, Supplement 1). Reeve, B. B., Hays, R. D., Chang, C-H. *Applying Item Response Theory to Enhance Health Outcomes Assessment*.

**Reviewer - Organizations**

- Cancer Research and Prevention Foundation
- Cancer Research Network
- International Society for Quality of Life Research
- Singapore Ministry of Health
- Society of Behavioral Medicine (SBM) 2006 Conference
- Food and Drug Administration (FDA) – Advisory Committee for Reproductive Health Drugs (2010)

**Reviewer - NIH and PCORI Grant/Contract Peer-Review Groups**

- NICHD RFA “Dynamic Health Assessments for Medical Rehabilitation Outcome”
  - Study Section Member
- NINDS RFP “Quality of Life Outcomes in Neurological Disorders”
  - Study Section Member
- NINDS RFP “Domain Specific Tasks of Executive Function”
  - Study Section Member
- NIEHS RFA “Validation and Field Testing of New Tools for Characterizing the Personal Environment”
  - Study Section Member
- PCORI “Improving Methods for Conducting Patient-Centered Outcomes Research: PROMIS”
  - Chair of Merit Review Panel (August, 2014)
- PCORI “Improving Methods for Conducting Patient-Centered Outcomes Research”
  - Chair of Merit Review Panel (May, 2016)